| <br>dex | <br> |  |
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|         |      |  |

| Appli | cation | Control | No. |
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10/716,009

Examiner

KIM, MIN-JU

Applicant(s)/Patent under Reexamination

Art Unit

Tuan H. Le

2622

| √  | Rejected |
|----|----------|
| 11 | Allowed  |

| 1 | (Through numeral)<br>Cancelled |
|---|--------------------------------|
| ÷ | Restricted                     |

| N | Non-Elected  |
|---|--------------|
| - | Interference |

| A | Appeal   |
|---|----------|
| o | Objected |

| Cla      | ine                                    | Det-     |              |              |          |            |                                     |              |          |                 |
|----------|--|----------|--------------|--------------|----------|------------|-------------------------------------|--------------|----------|-----------------|
| Cla      | Date                                   |          |              |              |          |            |                                     |              |          |                 |
| Final    | Original                               | 6/21/07  |              |              |          |            |                                     |              |          |                 |
|          | 1                                      | 1        | $\vdash$     | ऻ            | $\vdash$ | $\vdash$   | $\vdash$                            |              | $\vdash$ | П               |
|          | 1<br>2<br>3<br>4<br>5                  | 1        |              |              |          |            |                                     | Г            |          |                 |
|          | 3                                      | 1        | Г            |              |          |            |                                     |              |          |                 |
|          | 4                                      | 1        |              |              |          |            |                                     |              |          |                 |
|          | 5                                      | 1        |              |              |          |            |                                     |              |          |                 |
|          | 6                                      | 7 7      | ·            |              |          |            |                                     |              |          |                 |
|          | 6<br>7<br>8                            | 1        | <u> </u>     | L            |          |            |                                     |              | L_       | Ш               |
|          | 8                                      | 777      | <u> </u>     |              |          | _          | <u> </u>                            | <u> </u>     | L        | Щ               |
|          | 9                                      | 1        |              | _            | <u> </u> | <u> </u>   | $ldsymbol{ldsymbol{ldsymbol{eta}}}$ |              | L.       | Ш               |
|          | 10                                     | 1        | _            | <u> </u>     | <u> </u> | _          | _                                   | _            | _        | Щ               |
|          | 11                                     | Ÿ        | L.           | <u> </u>     | <u> </u> | _          | <u> </u>                            | <u> </u>     | <u> </u> | Щ               |
| L        | 12                                     | 7 7      | <u> </u>     | <u> </u>     |          | <b> </b> - |                                     | <u> </u>     | <u> </u> | $\vdash \vdash$ |
|          | 11<br>12<br>13<br>14<br>15<br>16<br>17 | 1        | <del> </del> | -            |          | -          |                                     | <u> </u>     |          | $\vdash \vdash$ |
| <b>-</b> | 14                                     | ┝        | ⊢            | $\vdash$     | $\vdash$ | $\vdash$   | $\vdash$                            | $\vdash$     | -        | $\vdash \vdash$ |
|          | 10                                     | -        | $\vdash$     | $\vdash$     | ├        | $\vdash$   | $\vdash$                            | $\vdash$     | $\vdash$ | $\vdash$        |
|          | 17                                     | -        | -            | -            |          |            | ├                                   | -            |          | $\vdash$        |
| <b></b>  | 18                                     |          | ├            | <del> </del> | -        | $\vdash$   | ├                                   | ⊢            | $\vdash$ | Н               |
|          | 19                                     | ┢        | ┝            | ┢            | ┢        | ├─         | ┝                                   | -            |          | Н               |
|          | 20                                     | $\vdash$ | -            | $\vdash$     | ┝╌       | ├-         |                                     | ├            | -        | Н               |
|          | 20<br>21<br>22                         | -        | ┝            | -            | ┝        |            | -                                   |              | -        | $\vdash$        |
|          | 22                                     | $\vdash$ | $\vdash$     | ┤            | $\vdash$ | $\vdash$   | $\vdash$                            | <del> </del> | _        | Н               |
|          | 23                                     | -        |              | <del> </del> | -        |            | _                                   |              | _        |                 |
|          | 23<br>24                               | _        | -            | $\vdash$     | $\vdash$ |            |                                     | $\vdash$     | -        | П               |
|          | 25                                     |          |              | <u> </u>     |          |            |                                     |              |          | П               |
|          | 26                                     |          |              | m            |          |            |                                     |              |          | П               |
|          | 26<br>27                               |          |              |              |          |            |                                     |              |          |                 |
|          | 28<br>29                               |          |              |              |          |            |                                     |              |          |                 |
|          | 29                                     |          |              | L            |          |            |                                     |              |          |                 |
|          | 30                                     |          |              | <u></u>      |          | _          |                                     |              |          | Щ               |
| igwdow   | 31<br>32<br>33                         | Ш        | <u> </u>     | <u> </u>     | <u> </u> | L_         | L.,                                 | L            | L_       | Щ               |
| <u> </u> | 32                                     | <u> </u> | <u> </u>     | <u> </u>     | <u> </u> | <u> </u>   | $ldsymbol{ldsymbol{ldsymbol{eta}}}$ | <u></u>      |          | Щ               |
| igwdap   | 33                                     |          | L            | <u> </u>     | <b> </b> | L-         | L_                                  | <u> </u>     | _        | $\sqcup$        |
| <u> </u> | 34<br>35                               |          | L            | <del> </del> | <u> </u> | <u> </u>   | $\vdash$                            | <u> </u>     | <u> </u> | Щ               |
|          | 35                                     | <u> </u> | <u> </u>     |              | <b> </b> | ļ          | <u> </u>                            | <u> </u>     | <u> </u> | $\vdash$        |
|          | 36<br>37                               | $\vdash$ |              | H            | <u> </u> | <u> </u>   | <u> </u>                            | <b>.</b>     |          |                 |
| <b></b>  | 38                                     | -        | <u> </u>     | $\vdash$     | $\vdash$ | ├-         | $\vdash$                            |              |          | Н               |
|          | 38                                     | $\vdash$ |              | $\vdash$     | $\vdash$ | $\vdash$   | $\vdash$                            | _            |          | Н               |
|          | 40                                     | <u> </u> | <u> —</u>    | -            |          | ⊢          | <u> </u>                            | <del> </del> |          | $\vdash\vdash$  |
|          | 41                                     |          |              | $\vdash$     | $\vdash$ | ├─         |                                     | $\vdash$     |          | $\vdash \vdash$ |
|          | 42                                     |          | $\vdash$     |              | $\vdash$ | $\vdash$   | -                                   | $\vdash$     | _        | Н               |
|          | 43                                     | $\vdash$ | $\vdash$     | $\vdash$     | $\vdash$ | $\vdash$   | $\vdash$                            | $\vdash$     | $\vdash$ | $\vdash \vdash$ |
|          | 44                                     | <b>-</b> | -            | _            | $\vdash$ | 一          | H                                   | $\vdash$     |          | H               |
|          | 45                                     | Н        | $\vdash$     | <u> </u>     | $\vdash$ | $\vdash$   | $\vdash$                            | $\vdash$     | _        | Н               |
|          | 46                                     | П        |              | Т            |          | Г          |                                     |              |          | Н               |
|          | 47                                     |          |              |              | Г        | Г          |                                     |              |          | П               |
|          | 48                                     |          |              |              |          |            |                                     |              |          |                 |
|          | 49                                     |          |              |              |          |            |                                     |              |          |                 |
|          | 50                                     |          |              |              |          |            |                                     |              |          | П               |

| Cla      | aim      | <u> </u> |          |              |          | Date     | <del></del> |          |  |  |
|----------|----------|----------|----------|--------------|----------|----------|-------------|----------|--|--|
|          |          |          |          |              |          |          |             |          |  |  |
| Final    | Original |          |          |              |          |          |             |          |  |  |
| ιĒ       | Ö        |          |          |              |          |          |             |          |  |  |
| $\vdash$ | 51       | _        | _        | -            |          |          | Н           | _        | -  | -                                      |
|          | 52       | $\vdash$ | ┢        | <del> </del> |          |          | _           | _        | $\vdash$   | _                                      |
|          | 53       | _        | $\vdash$ | $\vdash$     |          |          | $\vdash$    | $\vdash$ | $\vdash$   | ⊢                                      |
| <b>-</b> | 53       | _        | <u> </u> | ┝            | _        | _        | H           | ┝        | ┝  | _                                      |
|          | 54<br>55 |          |          | <u> </u>     |          |          | _           | _        | <u> </u>   | <u> </u>                               |
|          | 55       | _        |          | <u> </u>     |          |          | _           |          | ļ  |  |
|          | 56       |          |          | <u> </u>     |          |          |             |          | _  |  |
|          | 57       | L        | _        | L            |          |          |             |          |  |  |
|          | 58       |          |          |              |          |          |             |          |  |  |
|          | 59       |          |          | Г            |          |          |             |          |  |  |
|          | 60       |          |          |              |          |          |             |          |  |  |
|          | 61       |          |          |              |          |          |             |          |  |  |
|          | 62       |          |          | Т            |          |          |             |          |  |  |
|          | 63       |          | -        | -            |          |          | _           | $\vdash$ | $\vdash$   | -                                      |
|          | 64       | _        |          | $\vdash$     |          |          |             | H        | $\vdash$   |  |
|          | 65       |          | -        |              |          |          | _           | $\vdash$ | $\vdash$   |  |
| <b>—</b> | 66       |          | _        | ├            | Н        | _        | _           | -        | _  |  |
|          | 66       | -        |          |              |          |          | _           |          | _  | -                                      |
| <u> </u> | 67       |          |          | <u> </u>     | Ш        | _        |             |          | _  |  |
| L        | 68       |          | _        | <u> </u>     |          |          | _           |          | $ldsymbol{ldsymbol{ldsymbol{eta}}}$              |  |
| L        | 69       |          |          | <u> </u>     | Ш        |          |             |          | Щ  |  |
|          | 70       |          |          | <u>_</u>     | Ш        |          |             |          | L  |  |
|          | 71<br>72 |          |          |              |          |          |             |          | L  | L                                      |
|          | 72       |          |          |              |          |          |             |          |  |  |
|          | 73       |          |          |              |          |          |             |          |  |  |
|          | 74       |          |          |              |          |          |             |          |  |  |
|          | 75       |          |          |              |          |          |             |          |  |  |
|          | 76       |          |          |              |          |          |             |          |  |  |
|          | 77       |          |          |              |          |          |             | ٠        |  |  |
|          | 78       |          |          |              |          |          |             |          |  |  |
|          | 79       |          |          |              |          |          |             |          |  |  |
|          | 80       |          |          |              |          |          |             |          |  |  |
|          | 81       |          |          |              |          |          |             |          |  |  |
|          | 82<br>83 |          |          |              |          |          |             |          |  |  |
|          | 83       |          |          |              |          |          |             |          |  |  |
|          | 84       |          |          |              |          |          |             |          |  |  |
|          | 85       |          |          |              |          |          |             |          |  |  |
|          | 86       | $\Box$   |          |              | П        |          |             |          |  |  |
|          | 87       |          |          |              |          |          |             |          |  |  |
|          | 88       |          |          |              | М        |          |             | _        |  | _                                      |
|          | 89       | П        |          | Н            | Н        |          | $\vdash$    | т        | _  | _                                      |
|          | 90       | $\vdash$ | $\vdash$ | $\vdash$     | $\vdash$ | _        | -           | _        | Н  | $\vdash$                               |
|          | 91       | _        | Т        | г            | Н        |          | П           | т        | Н  | $\overline{}$                          |
|          | 92       | $\vdash$ |          | Н            | Н        | $\vdash$ | $\vdash$    | П        | П  | $\vdash$                               |
|          | 93       | $\vdash$ | $\vdash$ | Н            | Н        | _        | -           | $\vdash$ | Н  | _                                      |
|          | 94       |          | $\vdash$ | Н            | H        |          |             |          |  | $\vdash$                               |
|          | 95       |          | $\vdash$ | H            | $\vdash$ |          | $\vdash$    |          |  | _                                      |
|          | 96       | $\vdash$ | $\vdash$ | Н            | H        | $\vdash$ |             |          | $\vdash$   | -                                      |
|          | 97       | $\vdash$ |          | $\vdash$     | H        | $\vdash$ |             | $\vdash$ | $\vdash$   | _                                      |
|          | 98       | Н        | $\vdash$ | $\vdash$     | Н        |          |             | -        | <del>                                     </del> | -                                      |
|          | 99       |          | Н        | Н            | H        |          |             |          | Н  |  |
| $\vdash$ | 100      | -        | -        | $\vdash$     | $\vdash$ | $\vdash$ |             | Н        |  | -                                      |
| L        |          | Ц        | Щ.       |              | ш        |          |             | Щ.       | ا  | ــــــــــــــــــــــــــــــــــــــ |

| Cl    | aim        | Date        |          |               |          |          |          |          |  |                 |
|-------|------------|-------------|----------|---------------|----------|----------|----------|----------|--|-----------------|
| Final | Original   |             |          |               |          |          |          |          |  |                 |
|       | 101<br>102 |             |          |               |          |          |          |          |  | П               |
|       | 102        |             |          |               |          |          |          |          |  |                 |
|       | 103        |             |          |               |          |          |          |          |  |                 |
|       | 104        | L           |          |               | L        |          |          |          |  |                 |
|       | 105        | L           | <u> </u> | L.,           |          | _        |          | _        |  | Ш               |
|       | 106        | <u> </u>    | _        | <u> </u>      |          | <u> </u> | <u> </u> | _        | <u> </u>   | Щ               |
|       | 107        | Ш           | <u> </u> | <u> </u>      | <u> </u> | <u> </u> | <u> </u> | <u> </u> | <u> </u>   | Ш               |
|       | 108        | _           | <u> </u> | <u> </u>      |          | <u> </u> | <u> </u> | ļ        |  | Ш               |
|       | 109<br>110 |             |          | <u> </u>      |          | _        |          | <u> </u> |  |                 |
|       | 111        |             |          |               |          | _        | _        |          | H  |                 |
|       | 112        |             | ┈        | <del> -</del> |          |          | Н        | H        | ⊢  | Н               |
|       | 113        | $\vdash$    |          | -             |          | $\vdash$ | H        | $\vdash$ | <del>                                     </del> | Н               |
| -     | 114        |             | $\vdash$ |               |          | H        | H        | H        | <del> </del>                                     | $\vdash \vdash$ |
|       | 115        | М           | $\vdash$ | _             | _        | $\vdash$ | Н        |          | $\vdash$   | Н               |
|       | 116        |             |          |               | _        |          | _        | Т        | _  | П               |
|       | 117        |             |          |               |          |          |          |          |  |                 |
|       | 118        |             |          |               |          |          |          |          |  |                 |
|       | 119        |             |          |               |          |          |          |          |  |                 |
|       | 120<br>121 |             |          |               |          |          |          |          |  | Ш               |
|       | 121        |             |          |               | _        | _        | Ш        |          |  |                 |
|       | 122        | _           |          | _             | _        |          | Ш        |          | <u> </u>   | Ш               |
|       | 123<br>124 |             |          |               |          |          |          |          | <u> </u>   | Ш               |
|       | 124        |             |          | _             |          | _        |          | _        | <u> </u>   | Н               |
|       | 125        | -           |          | Ŀ             |          | _        | _        | _        | <u> </u>   | Н               |
|       | 126<br>127 | $\vdash$    | _        | $\vdash$      | _        |          | ⊢        | -        | ├  | Н               |
|       | 128        |             |          | -             |          | -        | -        | -        | -  | Н               |
|       | 128<br>129 |             | _        | _             |          |          |          | Н        | $\vdash$   | Н               |
|       | 130        |             |          |               |          |          |          |          |  | Н               |
|       | 131        |             |          |               |          |          |          |          |  | П               |
|       | 131<br>132 |             |          |               |          | _        |          |          |  |                 |
|       | 133        |             |          |               |          |          |          |          |  |                 |
|       | 134<br>135 |             |          |               |          |          |          |          |  |                 |
|       | 135        |             |          |               |          | _        |          | _        | L_   | Ш               |
|       | 136        |             |          |               |          | <u> </u> |          | _        | Щ  | Ш               |
|       | 137<br>138 |             |          | _             | <u> </u> | <u> </u> |          |          |  |                 |
|       | 139        |             | -        | _             | _        | H        | _        |          | Н  | Н               |
|       | 140        |             | -        | _             |          | -        |          |          |  | $\vdash$        |
|       | 141        |             |          | -             | _        | $\vdash$ | -        |          | -  | $\vdash$        |
|       | 142        | <del></del> | Н        | -             |          | $\vdash$ | $\vdash$ | $\vdash$ | Н  | $\vdash \vdash$ |
|       | 143        |             |          | М             | _        |          | П        | Н        | _  | $\vdash$        |
|       | 144        |             | _        |               |          |          | _        |          | _  | $\vdash$        |
|       | 145        |             |          |               |          |          |          |          |  |                 |
|       | 146        |             |          |               |          |          |          |          |  |                 |
|       | 147        |             |          |               |          |          |          |          |  |                 |
|       | 148        |             |          |               |          |          |          |          |  |                 |
|       | 149        |             | <u> </u> |               | ļ        | <u> </u> |          | <u> </u> | <u> </u>   | Ш               |
|       | 150        |             |          |               |          |          | L        |          |  | L               |